

INDEX TO VOLUME 55

<i>Ahmad F.</i> —Invariants and structural invariants of the anisotropic elasticity tensor	597
<i>Antipov Y. A.</i> and <i>Silvestrov V. V.</i> —Factorization on a Riemann surface in scattering theory	607
<i>Atkin R. J.</i> and <i>Stewart I. W.</i> —Stability of domain walls in cylindrical layers of smectic C liquid crystals	163
<i>Baddour R. E.</i> see <i>Raman-Nair W.</i>	
<i>Bassom A. P.</i> and <i>Blennerhassett P. J.</i> —Impulsively generated convection in a semi-infinite fluid layer above a heated flat plate	573
<i>Biggs N. R. T.</i> and <i>Porter D.</i> —Wave scattering by a perforated duct	249
<i>Blennerhassett P. J.</i> see <i>Bassom A. P.</i>	
<i>Bogy D. B.</i> see <i>Budaev B. V.</i>	
<i>Broadbent E. G.</i> see <i>Leppington F. G.</i>	
<i>Budaev B. V.</i> and <i>Bogy D. B.</i> —Application of random walk methods to wave propagation	209
<i>Casey V.</i> see <i>O'Brien S. B. G.</i>	
<i>Caviglia G.</i> and <i>Morro A.</i> —Wave reflection and transmission from anisotropic layers through Riccati equations	93
<i>Charalambopoulos A., Gintides D.</i> and <i>Kiriaki K.</i> —Radiation conditions for rough surfaces in linear elasticity	421
<i>Cox G. M.</i> see <i>Hill J. M.</i>	
<i>Destrade M.</i> —Small-amplitude inhomogeneous plane waves in a deformed Mooney–Rivlin material	109
<i>Duffy B. R.</i> see <i>Wilson S. K.</i>	357, 385
<i>Erbay H. A.</i> see <i>Haddow J. B.</i>	
<i>Evans D. V.</i> and <i>Porter R.</i> —On the existence of embedded surface waves along arrays of parallel plates	481

- Fokas A. S. and Zyskin M.*—The fundamental differential form and boundary-value problems 457
- Gintides D.* see *Charalambopoulos A.*
- Gladwell G. M. L. and Zhu H.*—Courant's nodal line theorem and its discrete counterparts 1
- Gomes D. A.*—Stability of rotating liquid films 327
- Gregory R. D., Gu C. C. and Wan F. Y. M.*—The cantilever strip plate of varying thickness and the centre of shear 29
- Gu C. C.* see *Gregory R. D.*
- Haddow J. B. and Erbay H. A.*—Some aspects of finite amplitude transverse waves in a compressible hyperelastic solid 17
- Hill J. M. and Cox G. M.*—On the problem of the determination of force distributions in granular heaps using continuum theory 655
- Hills C. P.*—Flow patterns in a two-roll mill 273
- Hunt R.* see *Wilson S. K.* 357, 385
- Kaplunov J. D. and Noldé E. V.*—Long-wave vibrations of a nearly incompressible isotropic plate with fixed faces 345
- Kiriaki K.* see *Charalambopoulos A.*
- Knowles J. K.*—Hysteresis in the stress-cycling of bars undergoing solid–solid phase transitions 69
- Leach J. A.* see *McCabe P. M.*
- Leppington F. G. and Broadbent E. G.*—Acoustic radiation properties of an elastic plate with an infinite baffle and cavity 495
- Lesnic D.* see *Marin L.*
- Linton C. M.* see *McIver M.*
- Majdalani J. and Rienstra S. W.*—Two asymptotic forms of the rotational solution for wave propagation inside viscous channels with transpiring walls 141
- Marin L., Nho Hào, Dinh and Lesnic D.*—Conjugate gradient–boundary element method for the Cauchy problem in elasticity 227
- McCabe P. M., Leach J. A. and Needham D. J.*—On an initial-boundary-value problem for a coupled, singular reaction–diffusion system arising from a model of fractional-order chemical autocatalysis with decay 511

- McIver M., Linton C. M. and Zhang J.*—The branch structure of embedded trapped modes in two-dimensional waveguides 313
- Morro A.* see *Caviglia G.*
- Motygin O. V.*—On the non-existence of surface waves trapped by submerged obstructions having exterior cusp points 127
- Needham D. J.* see *McCabe P. M.*
- Nho Hào, Dinh* see *Marin L.*
- Nolde E. V.* see *Kaplunov J. D.*
- O'Brien S. B. G. and Casey V.*—Asymptotic and numerical solutions for a hammocking model 409
- Porter D.* see *Biggs N. R. T.*
- Porter R.* see *Evans D. V.*
- Raman-Nair W. and Baddour R. E.*—Three-dimensional coupled dynamics of a buoy and multiple mooring lines: formulation and algorithm 179
- Rees D. A. S. and Storesletten L.*—Convective plume paths from a line source 443
- Rienstra S. W.* see *Majdalani J.*
- Sellier A.*—A note on the electrophoresis of a uniformly charged particle 561
- Silvestrov V. V.* see *Antipov Y. A.*
- Smith F. T.*—Interference and turning of in-parallel wakes 49
- Stewart I. W.* see *Atkin R. J.*
- Storesletten L.* see *Rees D. A. S.*
- Ting T. C. T.*—An explicit secular equation for surface waves in an elastic material of general anisotropy 297
- Wan F. Y. M.* see *Gregory R. D.*
- Wilson S. K., Duffy B. R. and Hunt R.*—A slender rivulet of a power-law fluid driven by either gravity or a constant shear stress at the free surface 385
- Wilson S. K., Hunt R. and Duffy B. R.*—On the critical solutions in coating and rimming flow on a uniformly rotating horizontal cylinder 357
- Zhang J.* see *McIver M.*

Zhu H. see *Gladwell G. M. L.*

Zyskin M. see *Fokas A. S.*

